

For Research Use Only

# SIRT6 Monoclonal antibody

Catalog Number: 67510-1-Ig

Featured Product

4 Publications



## Basic Information

Catalog Number:

67510-1-Ig

Size:

2200 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24103

GenBank Accession Number:

BC028220

GeneID (NCBI):

51548

UNIPROT ID:

Q8N6T7

Full Name:

sirtuin (silent mating type  
information regulation 2 homolog) 6  
(S. cerevisiae)

Calculated MW:

39 kDa

Observed MW:

40 kDa

Purification Method:

Protein G purification

CloneNo.:

2H4G8

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB: JAR cells, Jurkat cells, NCCIT cells, LNCaP cells,  
HeLa cells, K-562 cells, HL-60 cells.

## Background Information

SIRT6, also named as SIR2L6, belongs to the sirtuin family. It is known to deacetylate H3K9, H3K56 and CtIP in vivo. SIRT6 regulates the expression of a large number of stress-responsive and metabolism related genes, promotes genomic stability and stimulates base excision and double strand break DNA repair (PMID: 20729089). By maintaining both the integrity and the expression of the mammalian genome, SIRT6 thus serves several roles that parallel Sir2 function (PMID: 20729089). In addition, Sirt6-deficient animals develop normally for several weeks after birth, but succumb to an acute multi-organ degenerative syndrome that is uniformly lethal by one month of age (PMID: 19135889).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenxing Cui	33314534	Cell Prolif	WB
Xiaoxia Xiao	37582706	Mol Med	IF, WB, CoIP
Tianqi Cui	37599957	ACS Omega	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

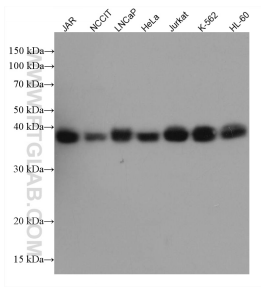
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

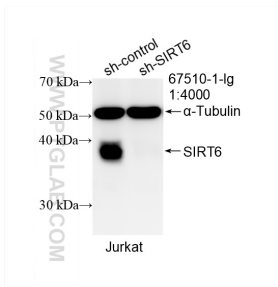
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67510-1-Ig (SIRT6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of SIRT6 antibody (67510-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SIRT6 transfected Jurkat cells.